

Pentaerythritol and Its Commercial Manufacture,
by W. Prodinge, 8 pp.

GERMAN, per, Chemisches Forschungsinstitut der
Wirtschaft Österreichs. Mitteilungen, Vol III,
1949, pp 91-94.

ATS-71L330

Sci

OTS, Vol III, No 8

Apr 61

145,133

Prodinger, Wilhelm.
"THIONALIDE", THIOGLYCOLIC-ACID- β -AMINO-
NAPHTHALIDE (I. Z. [1963] 8p 6 refs
Order from SLA \$1.10 TT-64-14166

Trans. of mono. [Organische Fallungsmittel in der
Quantitativen Analyse] (Organic Precipitation Agents in
Quantitative Analysis) Stuttgart, 1937, p. 72-80.

DESCRIPTORS: *Sequestering agents, *Glycolic acids,
Sulfur compounds, Naphthalenes, Chemical precipita-
tion, Metals, Quantitative analysis.

(Chemistry--Analytical, TT, v. 11, no. 7)

TT-64-14166

I. Title: Thionalside
1. Prodinger, W.
II. Title: Organic...

73283

Office of Technical Services

The Role of Paraffin Hydrocarbons as
Anticorrosants in the Lubrication of
Aluminum with Methyl-Fluoride;
the Mutual Solubility of Methyl-Fluoride
(MF), Ammonia Hydroxide and
n-Paraffin Hydrocarbons, by A. H.
Telling, H. H. Fendley, A. E. Choudhury,
Co.
ORDON, per, American Petroleum Institute
Research. Vol. 1, No. 1,
1954, pp 47-51.
ATC-Maryn

M. M. Prodopets

End
Aug 67

Proepstl, Georg and Zielasek, Gotthold.
DISTRIBUTION OF ANTIMONY IN QUENCHED Ge-Sb
PREALLOYS. [1963] 14p. (3 figs. omitted).
Order from SLA \$1.60

63-14006

Trans. of Zeitschrift für Angewandte Physik (West
Germany) 1958, v. 10 [no. 5] p. 201-204.

DESCRIPTORS: *Antimony, Germanium alloys, *An-
timony alloys, Quenching (Cooling), *Semiconductors,
*Germanium, Single crystals, Autoradiography

(Physics--Solid State, TT, v. 10, no. 4)

63-14006

I. Proepstl, G.
II. Zielasek, G.

Office of Technical Services

(NY-3900)

THE BROAD USE OF CHEMISTRY IN THE
NATIONAL ECONOMY OF THE UKRAINE, BY
P. KISEL', L. PROFATILOVA, 9 PP.

RUSSIAN, PER, EKONOMIKA OSVET UKRAIN,
NO 5, SEP/OCT 1961, PP 36-40.

JPRS 12386

USSR
ECON
BEF 62

182,256

On Terephthalic Acid, by E. Profft.

GERMAN, per, Chem Tech, Vol V, 1953, pp 503-507.

INSDOC

Sci
Apr 59

84,459

Certain Questions of the Theory of Detection of Single Pulses, by V.F. Nesteruk, N.N. Porfiryeva. 56
15 pp.

RUSSIAN, per, Izv. Leningradskogo Sovetskoye
troitel'nogo Instituta Radiofiziki i Elektroniki
Mashinostroyeniya, No 26, 1963, pp 131-133.
5785534

FTD-WT-65-62

N. N. Porfiryeva

Sci/Electronics
Aug 66

100,208

Effect of Antibiotics of the Tetracycline Group
on the Activity of Liver Catalase, by R. P.
Profir'yeva, 3 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol LII,
No 11, 1961, pp 54-56.

CB

Sci
Sep 62

210,622

Is it Possible to Influence Eclampsia and
Pre-eclampsia of Pregnancy Therapeutically
via the Vegetative System?, by L. Diblett,
H. Proftlich, 8 pp.

GERMAN, per, Zeit f Geburtsh Gynaekol, Vol.
CXL, 1954.

S.I.A. Trans 922

Ecl - Medicine

29,929

The Plant and Climate, by A. A.
Profok'yev.

RUSSIAN, per, Nauka i Zhizn, Vol. XXII,
No 4, 1955, pp 7-10.

CSIRO 3569

Sci - Biol

Feb 62

186,577

Stabilization of Flow Distribution in Forced-
Flow Heating Surfaces, by Dr. P. Profos.

GERMAN, per, Energie, Vol XI, No 6, 1959,
pp 241-247. 9204981

AEC-GA-Tr-2704

Sci - Phys

Apr 63

226,999

A Device for Convolution Operations, by
P. Profos.

GOVERNMENT USE ONLY

GERMAN, per, Regelungstechnik, Vol 12,
No 11, 1964, pp 491-493.

NASA TT F-12,239

P. Profos

Sci-Meth & Equip
Aug 69

388,723

The Dynamics of Forced-Flow Evaporator Systems, ⁰⁷
by P. Profos.
GERMAN, per. Regelungstechnik, Vol 10, No 12,
1962, pp 529-538.
*AEC ORNL-tr-1436

P. Profos

Sci/Mechan, Indust, Civil
& Marine Engineering
Jan 67

Dynamics of Superhoster Control, by P. Profos.

GERMAN, per, Regelungstechnik, Vol VI, No 7,
1958, pp 239-246.

C.S.I.R.O.

Sci

May 60

115,777

The Dynamics of Forced-Flow Evaporator Systems,
by P. Profos. 122

GERMAN, per, Regelungstechnik, Vol 10, 1962,
pp 529-536 P011052367

AEC ORNL-tr-1456

P. Profos

Sci/Mech, ICdust, Civil
& Marine Engr
Mar 67

318,588

Regulation of a Sulzer Single-Tube Steam Generator,
by P. Profos, 36 pp.

GERMAN, per, Mitt. Ver. Grosskesselbesitzer, No 43,
1956, pp 258-273.

AEC Tr 3300

Sci - Engr

Sep 58

73, 179

NCH-202 516

Field 11F, 13H, 7D

Proft, R.
ELECTROCHEMICAL PROBLEMS IN ALUMINUM MANU-
FACTURE. 1965, 17p. TC-1249.
Order from TC: \$15.00 as TC-1249

Trans. of Chemische Technik (East Germany) v17 n3
p139-48 1965.

I. Trans-Chem
Knoxville, Tenn.

122
Identification and Formation of Kink Bands
in Plastically Deformed Lamellar Pearlite,
by H. Gollinger, M. Proger.
GERMAN, per. L. H. Gollinger, M. Proger.
Vol 50, No 31, pp 666-681, 1968 9129033
SEC NP-TE-1272

M. Proger

Sci-Mat
Nov 68

201,934

83

On the Stepwise Embrittlement of Ferritic Steels
in the Notched Bar Impact Test, by M. Proger.
GERMAN, par. Materialprüfung, Vol 6, Dec 1964,
pp 450-460.
BISI 9925

M. Proger

Sol/Hat
Aug 68

361.383

Theory of Notch Impact Strength of Plain
Carbon Steel, by L. Seilinger, M. Proger,
GUSTAV, pub. Arch. Eisenh., Vol 35, Mar 1904,
pp 221-240.
NISI 4024

89

M. PROGER

U.S. Germany
Sci/464
Jan 46

294,624

Identification of Kink Bands in Plastically 62
Deformed Lamellar Pearlite, by H. Proger
GERMAN, per, Praktische Metallographie,
Vol I, No 4, 1964, pp 138-140. 9290432
AERE-Trans-1035

Sci- W/H
Dec 65

M. Proger
293,360

Alkaloids of *Thalictrum Minus* L. II. Structure of
Thalicimidine and Thalicimine, by S. Yunusov,
N. N. Progressov.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XXII, UCSR,
1952, pp 1047-1055.

AEC Tr 1581

Scientific - Chemistry

May 53 CTS

2104

YUNUSOV, S.
PROGRESSOV, M. N.

On the Alkaloids of Thalictrum Minus L. III. On
the Alkaloids of the Ranunculaceae Family.

The Journal of General Chemistry of the USSR,
Vol XX, No 7, Jul 1950, pp 1197 - 1206 (Russ p 1151).

Consultants Bureau
New York

USSR

A 9543

The Alkaloids of Thalictrum Minus L. II. The Structure
of Thalicaidine and Thalicino, by S. Yunusov and N. N.
Prograsov, 7 pp.

Full translation

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 6,
Jun 1952 pp 1047-1055.

Consultants Bureau

Sci - Chem

Dec 53 CTS

5554

On Long-range Order in the Nickel-chromium System, 133
by A. V. Prokushchenko.
UKRAINIAN, per, Ukr Fiz Zh. Vol 9, 1964, pp 1331-
1335.
*CFSTI TT 70-59083

Sci-
June 70

A. V. Prokushchenko

Note on Question of K-State in Nickel-Chromium
Alloys, by A. V. Prokushchenko, G. Ye. Chetverkin
9 pp. ⁹⁶⁵⁸⁵³³

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Che
Metal, No 3, 1960, pp 106-109.

ATTC MEL-692/1

Sci - Min/Metals
Chem

Oct 60

128,477

SLA: 61-13601

Some Points Concerning the Electrical Resistance
of Nickel-Chromium Alloys, by S. D. Gertsiken,
A. V. Prokushchenko, 5 pp.

RUSSIAN, per, Fiz Metal in Metall, Vol IV, No 3,
1957, pp 505-510.

Pergamon Inst

Sci - Min/Met

Sep 58

73, 990

A. V. Prokushchenko

X-ray study of the thermal expansion of nickel-chromium alloys, by A. V. Prokushchenko. 7 pp
RUSSIAN, per, Nauchnyye Doklady vysshey shkoly.
Metallurgiya, No 1, 1958, pp 218-221.
AIK/FTD-~~W~~-24-1603-71

apr 72

X-Ray Study of Thermal Expansion of Nickel-Chromium Alloys, by A. V. Prokryshchenko, 7 pp. UNCL.

RUSSIAN, per, Nauch Dok & Vyshey Shkoly, Metall, No 1, 1958, pp 218-221.

ACSI H-4026-B
ID 2162136

Sci - Min/Metals
Mar 61

141,263

63
The Diffusion of Carbon in Gamma-Iron
Containing Titanium, by J. Prohaszka,
HUNGARIAN, per, Koh. Lapok, Vol 12,
July 1957, pp 269-275.
BISI 6398

Sci/Materials
Jan 69

353,156

J. Prohaszka

Prohazka, Jiri.
SELECTIVE ISOLATION OF STYRENE FROM UN-
REFINED BENZOL FRACTIONS. [1962]6p.
Order from OTS or SLA \$1.10 62-33230

Trans. of Czech patent 89,975, 15 May 59.

DESCRIPTORS: *Styrenes, Separation, Selection,
*Benzenes, Fractionation.

A method was found for selective isolation of styrene from unrefined benzol fractions boiling at 135-175°C. These fractions are treated with mercury acetate in methanol and resulting β -phenol- β -methoxy-mercuri-ethanol acetate is decomposed with sodium chloride to the corresponding chloride. The chloride is steam distilled from acidified mixture to give a monomeric styrene. (Author)

(Engineering--Chemical, TT, v. 9, no. 4)

62-33230

I. Prohazka, J.
II. Patent (Czechoslovakia)
89 975

C227798

Office of Technical Services

Calculations of Roll Pass Design for
Pilger Rolls, by M. Prohaszka.
HUNGARIAN, per, Ech. Lapok, Vol 07,
No 4, 1964, pp 168-173.
AISI 4336

125

M. Prohaszka

Sci/1237
Nov 65

290,587

S

The Possibility of Preventing Wars and the Danger
of the Emergence of Wars, by Prohorov.

RUSSIAN, np, Krasnaya Avezda, 26 Dec 1962.

FBIS WIRES

USSR

Pol

Dec 62

Asymptotic Behavior of the Binomial
Distribution, by Yu. V. Prohorov.

RUSSIAN, bk.

Amer Math Soc

Sci

Aug 62

207,033

(NY-6277)

Control of Drugs Containing Mercury by Means of an
Organic Mercaptan Reagent, by E. Popper, L. Pope,
L. Proinov, L. Roman, et al, 9 pp.

RUMANIAN, per, Farmacia, Vol IX, No 1, 1961, pp 19-23.

JPRS 9529

Sci - Med

Jul 61

158,582

Biosynthesis of Caffeine in Tea Leaves, by G. P.
Serenkov, Ye. Protsar, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 3, 1961,
pp 716-719.

AIES

Sci

Mar 62

189,215

Study of a Landslide Due to the Presence of Glauconite,
by Marthe Proix-Noe, 5 pp.

Full translation.

FRENCH, par, Comptes rendus, Vol CCXXII, No 7,
Feb 1946, pp 403-405.

S.L.A.

Scientific - Geophysics

27,200

Aug 55

125
A Method for Mass Interspecific
Intergeneric Grafting of Conifers
in Field Conditions,
by E. P. Prokazin.
RUSSIAN, per, Botanicheskii Zhurnal,
Vol XLVII, No 7, 1962, pp 987-990.
*CPSTI TT 66-51102

Sci-Phys
Mar 66

E. P. Prokazin

Method for Mass Production of Interspecific
and Intergeneric Grafts of Conifers Under
Field Conditions, by E. P. Prokazin,
RUSSIAN, per, Botanicheskiy Zhurnal, Vol
XLVII, No 7, 1962, pp 987-990.
CFSTI TT 66-51102

36

E. P. Prokazin

Sci-848
Feb 67

319,017

A New Method of Grafting Conifers for
Establishing Seed Orchards, by E. P.
Prokazin.

RUSSIAN, per, Les Khoz, Vol XII, No 5,
1960, pp 22-28.

CSIRO

Sci - Biol
Jul 62

207,623

(SF-1626)

The Oscillographic Study of Barbiturates in
Czechoslovakia, by J. Prokes, R. Vorel, 3 pp.

CZECH, per, Chemické Zvesti, Vol XIV, No 11-12,
1960, pp 818-821.

JPRS 4857

Sci - Chem

166,087

Sep 61

R-28/60

(DC-3582)

Methods of Testing the New System of Manual
Workers' Wages, by Zdenek Prokes, 13 pp.

CZECH, per, Prace a Mzda, 1959, pp 209-217.

JPRS 3935

EEur - Czechoslovakia

Econ - Wages

Sep 60

126,035

(DC-2396).

Results of Meteorological and Actinometric Observations
On Bagrinova Gora (Kiev) During the Latter Half of
1957, by G. F. Prikhotko, N. I. Gols, L. Z. Prokh,
14 pp.

RUSSIAN, per, Informatsionnyi Byulleten,
Mezhdunarodnyy Geofizicheskiy God, No 1, Kiev, 1958,
pp 104-111.

JPRS-852-D

Sci - Geophysics
Aug 59

93,725

Aspects of the Evolution of Magmatic Melts
in the Crystallization of Hybrid Magmas,
as Illustrated by Tertiary Granitic Rocks
of Kamchatka, by K. V. Prokhorov, 13pp.
RUSSIAN, per, Izvestiya Akademiyi Nauk,
Vol 27, 1962, No 8, pp 60-77.

K. V. Prokhorov

323,262

Sci - Earth Sciences
Apr 67

The Influence of Chlortetracycline on the
Activity of α -Amylase, by I. Rokos,
M. Burger, P. Prokhazka, 9 pp.

RUSSIAN, per, Antibiotiki, Vol IV, No 4,
1959, pp 3-11.

CB

164,400

Sci

Aug 61

EFFECT OF TEEMING RATE ON THE QUALITY OF STEEL
INGOTS, BY E. V. VERKHOTSEVE, K. K. PROKHORENKO,
A. S. MIKHAILOV.

RUSSIAN, PER, VOZRODY PROIZ STALI, NO 7, 1960,
PP 74-81.

BISI 2733

SCI - M/M

NOV 62
LIST 152

217,665

Scattering of Electromagnetic Waves in a Plasma,
by A. I. Akhiezer, I. G. Prokhoda, A. G. Sitenko,
7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fis, Vol 13,
No 3 (9), 1957, pp. 750-757.

Amer Inst of Phys
Sov Phys-JETP
Vol 6(33), No 3

Sci - Phys

Jun 58

65,158

An Account of Certain Features of a Radiospectroscope
for a Wavelength of 2.5-5 MM, by A. I. Barchukov,
A. V. Prokhorov, 11 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 7,
1959, pp 1173-1179.

FP

Sci
Oct 60

130,413

75
Preparation of β -Modification Silicon Car-
bide Alloyed with Various Impurities, by
N. K. Prokof'yeva, M. B. Bayman. 9 pp.
RUSSIAN, Rpt, Doklady Vsesoyuznogo Sovetskoh-
aniya po Khimii Kremenya. Kiev, 1964,
pp 199-206.
AIR/FED/HT-23-690-68

N. K. Prokof'yeva

Sci-Materials
Nov 69

396,743

(NY-6725)

Changes in the Mineral Metabolism in the
Hard Tissues of the Tooth in Chronic
Radiation Sickness, by A. A. Frokhonchikov,
9 pp.

RUSSIAN, per, Med Radiolog, No 11,
1960, pp 41-45.

JPRS 11907

Sci
Jan 62

181, 483

Effect of Radioactive Phosphorus upon Mineral
and Protein Metabolism in Calcified Tissues, by
A. A. Prokhonchukov, 8 pp.

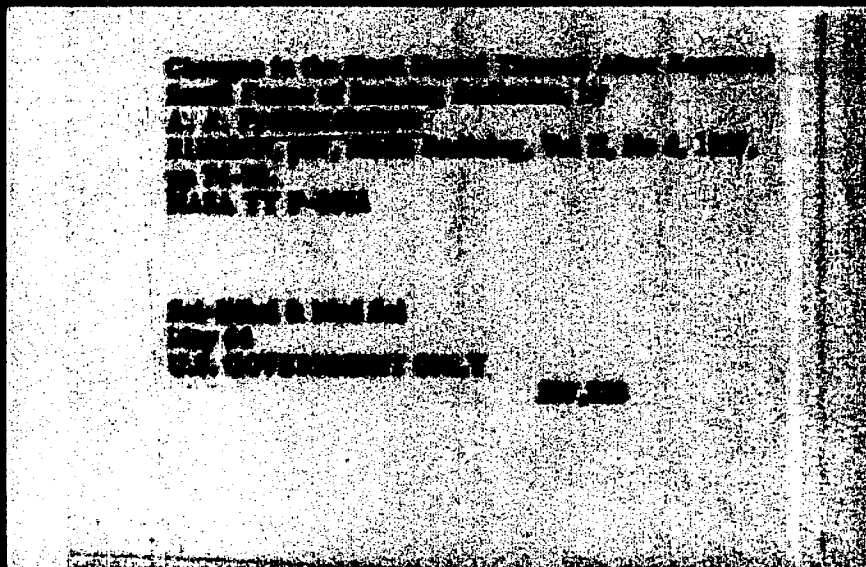
RUSSIAN, per, Radiobiol, Vol III, No 3, 1963,
pp 345-350.

AEC-TR-5436

Sci

Mar 64

253,835



Change in the Turnover of Methionine -C¹⁴ in Calcified
Tissues in Acute Radiation Sickness, by A. A.
Prokhonchukov pp. 7

RUSSIAN, per, Radiobiologiya, Vol II, No 3, 1962.
9269169 pp. 424-428

AEC-Tr-5430

Sci - Nucl Sci

Aug 63

340,850

(NY-6712)

Radiochemical Method of Determining
Glycine- Cl^4 and $Ca^{45}Cl_2$ in a Mixture
in Calcified Tissues, by A. A. Pro-
khonchukov, Liu Ting-hsin, 6 pp.

RUSSIAN, per, Med Radiol, No 7,
1961, pp 70-73.

JPRS 11419

Sci
Jan 62

179,923

The Role of Mineral Factors in the Development
of Radiation-Induced Changes in the Teeth and
Jaws, by A. A. Prokhorchikov and V. V.
Panikarovski pp. 10

RUSSIAN, per, Radiobiologiya, Vol II, No 3,
1962. 9269169 pp. 429-433

AEC-Tr-5430

Sci - Nucl Sci-

Aug 63

340,851

(NY-6720)

GLYCINE- C^{14} METABOLISM IN CALCIFIED TISSUES
DURING ACUTE RADIATION SICKNESS, BY A. A.
PROKHONCHUKOV, 16 PP.

RUSSIAN, PER,, RADIOLOGIYA, VOL 1, NO 3, 1961,
PP 340-345.

JPRS 12387

SCI
MAR 62

183,279

The Role of Humoral Mechanisms in the Development
of Radiation Changes in Salivary Glands, by
A. A. Prokhonchukov, V. V. Penikarovskiy, 5 pp.

RUSSIAN, per, Patologicheskaya Fiziologiya i
Eksperimental'naya Terapiya, Vol VI, No 3,
1962, pp 57-61.

JPRS 16215

Eel - Med

217,658

Nov 62

(NY-6783)

Changes in the Parotid Glands Under Re-
peated Exposures to Ionizing Radiation,
by A. A. Prokhonchukov, V. V.
Panikarovskiy, 9 pp.

RUSSIAN, per, Arkhiv Patolog,
Vol XXIII, No 8, 1961, pp 39-43.

JPRS 11848

Sci - Med

179,082

Jan 62

(NY-6782)

The Humoral Mechanisms of Mineral Metabolism Changes in Calcified Tissues in Acute Radiation Sickness, by N. A. Zhizhina, A. A. Prokhonchukov, 15 pp.

RUSSIAN, per, Patolog Fiz i Eksper Terapiya, Vol V, No 5, Sep/Oct 1961, pp 59-65.

JPRS 11816

Sci - Med

178, 182

Jan 62

58
Catalytic Decomposition of Chlorites. 2: De-
composition of Sodium Chlorite in the Presence
of Cobalt and Nickel Hydroxides, by

A. Yu. Prokopchik. 27 pp.

RUSSIAN, per, Litovos SSR Molnii Akad Darta,
Ser C, Vol 1, No 24, 1961, pp 133-142.

NASA TT F-12,206

a. yu. Prokopchik

Sci-Chem

Nov 69

395,646

The Effect of Some Technological Factors on the
Quality of Structural Steel, by K. K. Prokhorenko,
N. P. Shchekin, S. M. Sergyenko, 3 pp.

RUSSIAN, per, Metallurg, No 1, 1959, pp 11-13.

Acta Metallurgica

Sci

Oct 60

130,249

INGOT DEFECTS CAUSED BY TIEDING LAPS, BY E. V.
VERKHOTSEV, K. K. PRONORENKO.

RUSSIAN, PER, VOPROSY PROIZ STALI, NO 6, 1958,
PP 68-76.

BISI 2732

SCI - N/M

NOV 62

LIST 151

217,656

Exothermic Mixture for Hot Tops of Steel Ingots,
by K. K. Prokhorenko.

RUSSIAN, per, Voprosy Proizvodstva Stali,
No 6, 1958, pp 77-86.

CRL/T 1123

Sci- M & M
Mar 63

125,343

Selective Fertilization in Corn During Varied
Quantitative Relationship of Pollen in Pollen
Mixtures, by L. N. Prokhorenko

RUSSIAN,, per, Zhur Obshch. Biol. 12:96-106. Ref
Mar/Apr 1951. 442.3 Z6, In part - ~~EX~~ p: 107
Conclusion.

MR USDA Tr 368

1365

Economic - Agriculture
Scientific - Biology

The Microstructure of Simple Liquids, by V. K. Prokhorenko, I. Z. Fisher, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 8, 1959, pp 1852-1858.

Cleaver-Hume Press

Available Br 5 Library

Sci

May 60

116,853

The Asymmetry in the Distribution of the
Coordination Numbers of the Molecules of
Water, by V. K. Prokhorenko, O. Ya. Samoylov,
I. Z. Fisher, 4 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV, No 2,
1959, pp 356-.

Consultants Bureau

Sci
Apr 60

114,955

Measuring Temperatures in an Aluminum Electrolyzer
Medium, by V.I. Lakh, V. Ya. Prokhoronko, 3 pp.

RUSSIAN, per, Tsvetnye Metally, Vol II, No 3,
1961, pp 38-40.

PS

Sci

Sep 62

214,467

Delayed letter, by V. A. Likhin and B. P.
Prokhorov.

U.S.S.R., per, U.S.S.R. Embassy
Washington, D.C., No. 1000000000
100-1000000000

92

B. P. Prokhorov

Sci-Atlas
July 65

A Ray That Pierces Metal, by Prokhorov.

RUSSIAN, np, Pravda, 23 Dec 1962.

FBIS WIRES

Sci

~~EXX~~ Physics

Jan 63

IMPARTED RHYTHM, BY A. PROKHOROV, 6 PP.

RUSSIAN, NP. 9665946

FTD-TT-62-557

SCI - MISC
AUG 62

206,329

s-923/63

Operation Dolphin by A. Prokhorov, SF-2864

RUSSIAN, np, Krasnaya Zvesda, 2 Mar 63, pp 6.

*JPRS

Sci - Earth Sci & Astron
Oct 63

Bionics and Construction, by A. Prokhorov, 3 pp.

RUSSIAN, np, Stroitel'naya Gazeta, 30 Jan, 1963.

The Daily Review
Vol IX, No 47(2301)
Friday, February 22, 63

Sci - Biol - Bionics
Mar 63

Molecular Generator and Amplifier, by N. Basov, A
Prokhorov.

RUSSIAN, per, Uspekhi Fiz Nauk , Vol LVII, No 3,
1955, pp 485-501.

CASIRO 3348

Sci
Jul 59

92, 996

Synthetic Investigations in the Field of Rare Alkaloids
VII Synthesis of 2-Methoxy-4-(8-acylaminoethyl)-2'-alkoxy
carbalkoxymethyl Diphenyl Ethers, by S. N. Tolstachev,
A. B. Prokhorov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVI, No 5
1961, pp pp ~~1538-1540~~

1540-1546

CB

191, 955

Sci
Mar 62

Problems of Cybernetics in Medicine, by A. D. Vokhronovskiy,
A. I. Zakharenko, 20 pp.
RESEARCH, in, Information on Scientific Communications, Vol 1,
1961, pp 155-160. 907533

FTD-TT-63-32

Sci - Biol & Med Sci
Mar 64

201,854

(NY-3903/3).

Use of Electronic Computers in Medicine, by
A. D. Voskresenskiy, A. I. Prokhorov, 16 pp.

RUSSIAN, per, Voenno-Med Zhur, No 6, 1959,
pp 31-33.

JPRS-2103-N

Sci - Med
Feb 60

106,705

S-225/60

(NY-3812)

The Use of Electronic Computers in Medical
Statistics, by A. D. Voskresenskiy, A. I.
Prokhorov, 12 pp.

RUSSIAN, per, Sovet Zdravookhraneniye, Vol XIX,
No 2, 1960, pp 25-32.

JPRS 2729

Sci - Med

118,618

22 Mar 1960

Bionics by A. I. Prokhorov, 80 pp.

RUSSIAN, bk, Bionika, Moscow, 1963, Vol IX, No 7,
PP 1-56. 9688776

FTD-TT-63-557

Sci-Biol and Med Sci
Nov 63

242,288

S-5406

(DC-3057).

The Use of Electronic Computers in Various Fields
of Medicine, by A. D. Voskresenskiy, A. I.
Prokhorov, 8 pp.

RUSSIAN, per, Sovet Zdravookhraneniye, Vol XVIII,
No 8, 1959, pp 19-25.

JPRS-L-1907-D

Sci - Med
Oct 59

98,855

Paramagnetic Relaxation in Systems With ~~SMITH~~
Strong Exchange Interactions at Low Temperatures,
by E. M. Gasanov, A. M. Prokhorov, et al, 6 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol VI, No 1,
1964, pp 193-199.

Amer Inst of Phys
Sov Phys - Solid State
Vol VI, No 1

Sci-
Aug 64

265,385

The Use of a Quantum Paramagnetic Amplifier in
Radio Astronomy, by R. M. Martirosyan,
A. M. Prokhorov, et al.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 6,
1964, pp 1326-1328.
NASA TT F-8938

Sci-Electr
Oct 64
U.S. GOVERNMENT ONLY

267,577

Spin-Lattice Relaxation and Cross-Relaxation Interactions in Chromium Corundum, by A. A. Munev, A. N. Frokharov, 6 pp

RUSSIAN, per, Izv Akad Nauk SSSR, Vol XLII, No 1, 1962, pp 75-83.

AIP
Sov Phys-JETP
Vol XV, No 1

Sci

Jul 62

214,677

Quadrupole Coupling, Dipole Moment and Barrier
of Internal Rotation of the CH_3GeH_3 Molecule as
Determined From Its Rotational Spectrum, by A. I.
Barchukov, A. M. Prokhorov, 4 pp.

RUSSIAN, per, Optika i Spektroskopiya, Vol V, No 5,
1958, pp 530-534.

SLA 59-20857

Sci
Jun 60
Vol XII, No 5

119,123

Electron Paramagnetic Resonance and Spin-lattice
Relaxation of Co^{2+} in Corundum, by G. M. Zverev,
A. M. Prokhorov, 5 pp.

RUSSIAN, per, Zhur Eksp. i Teoret. Fiz, Vol XXIX,
No 1 (7), 1960, pp 57-63.

AIP
Sov Phys-JETP
Vol XII, No 1

Sci

Feb 61

144,035

Radio-frequency Spectroscopy and the Possibility
of its Use in the Field of Analysis, by A. M.
Prokhorov.

RUSSIAN, bk, Nauchnyye Osnovy Postroyeniya
Tekhnicheskikh Sredstv Avtomatiki, 1957, pp 133-137.
CIA 654177

ATIC F-TS-9829/V

Sci-Engineering

Nov 59

Quantum Radiophysics, by N. G. Basov,
A. M. Prokhorov, 16 pp.

RUSSIAN, per, Nov Prob Fiz, Vol IX, No 7,
1961, pp 33-45. 9675772

FID-TT-61-452

Sci - Phys

19 Mar 62

188,299

Radiospectrometer for the Observation of Electronic
Paramagnetic Resonance in the Microwave Region, by
A. A. Manenkov, A. M. Prokhorov, 21 pp.

RUSSIAN, per, Radiotekh i Elektron USSR, Vol I,
No 4, 1956, pp 469-477. 9081701

SLA 59-10885

Sci - Physics
Sep 59
Vol II, No 2

98,674

Measurement of the Spin-Lattice Relaxation Time
of Cr^{+++} in Corundum, by P. P. Pashinin, A. M.
Prokhorov. UNCLASSIFIED

RUSSIAN, Jour, Journal of Experimental and Theoret-
ical Physics, Academy of Sciences, USSR, Vol
XXXIV, No 3, Mar 1958.

Navy Tr 1810/JH 7

Sci - Electronics

Aug 58

67,762

Electron Paramagnetic Resonance of the v^{3+}
Ion in Corundum, by G. M. Zverev, A. M.
Prokhorov. UNCLASSIFIED

RUSSEAN, Jour, Journal of Experimental and
Theoretical Physics, Academy of Sciences,
USSR, Vol XXXIV, No 4, April 1958.

Navy Tr 1810/JH 7

Sci - Electronics

Aug 58

67,763

Paramagnetic Resonance Hyperfine Structure Nuclear
Spin and the Magnetic Moment of the 5.3-Year
Radioactive Isotope Eu^{152} , by A. A. Menenkov, A. M.
Prokhorov, P. S. Trukhliayev, G. N. Yakovlev, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXII,
No 4, 1957, pp 623-

Amer Inst of Phys
Sov Phys, "Doklady"
Vol II, No 1

Sci - Physics
Dec 57

56,952

A Paramagnetic Amplifier-Oscillator Based on Fe^{3+}
Ions in Corundum, by L. S. Kornienko, A. M. Prokhorov,

RUSSIAN, per, Zhur Eksp. i Teoret. Fiz., Vol XXVI,
No 3, Mar 1959, pp 919-920.

Internatl Physical Index
Electronics Express
Vol I, No 10

Sci

Aug 59

93, 887

Paramagnetic Resonance of Products Formed at Low
Temperatures by the Dissociation in the Glow
Discharge of H_2O , H_2O_2 and D_2O Vapors, by A. I.
Gorbanev, S. D. Khatmazov, A. M. Prokhorov, A. B.
Tsentsiper, 31 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957, pp
515.

ABC 3329

Sci - Phys

Oct 58

74, 877

The Fine and Superfine Structure of Paramagnetic
Resonance in Divalent Europium, by A. A. Manenkov,
A. M. Prokhorov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, 1956,
pp 402-404.

Sci - Physics

Mar 57/CTB

AEC Tr 2825

Ames Inst of Physics

43, 103

Govt Physics - Dok

Vol I, no 2

Determination of Nuclear Moments of Gd^{155} and Gd^{157}
from the Hyperfine Structure of Paramagnetic Resonance,
by A. A. Manev, and A. M.
Prokhorov, 2 pp.

RUSSIAN, per, Zhur Eksper 1 Teoret Fiz, Vol XXXIII, No
5 (11), 1957, pp 1116-1118.

Amer Inst of Phys
Sov Phys-JETP
Vol VI(33), No 5

Sci - Phys

Jul 58

67,073

Use of Molecular Beams for the Radio-
Spectroscopic Study of the Rotational Spectra
of Molecules, by N. G. Basov, A. M. Prokhorov,
13 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVII, No 4(10), 1954, p 431.

Morris D Friedman
\$4.00

Scientific - Physics

CTS 69/Jun 55

24,739